

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Amended) A method for treating a wound, comprising the steps of:

positioning an ultrasound transducer having a distal radiation surface at a distance d from the surface of the wound; and

creating an ultrasound standing wave between the surface of the wound and the distal radiation surface, where the distance d is determined by the formula:

$$d = n \times \lambda / 2,$$

wherein λ is the wavelength of the ultrasound standing wave and n is a positive integer, and

wherein the ultrasound standing wave creates radiation pressure for providing a bactericidal and a therapeutic effect to the wound for decreasing the healing time for the wound.

2. (Original) The method of Claim 1, wherein the ultrasound transducer operates at a frequency of from about 10kHz to 10^3 MHz.

3. (Previously Amended) The method of Claim 1, wherein the distance d is at least 0.1 inch.

Claims 4 and 5. (Cancelled)

6. (Currently Amended) The method of Claim 1, wherein in a prior step a ~~gel, gel or drug, or other medicant~~ is applied to the wound surface.

Claims 7 and 8. (Cancelled)

9. (Previously Amended) A system for treating a wound with ultrasound standing waves, comprising:

means for generating ultrasound waves including an ultrasound transducer having a distal radiation surface; and

means for creating at least one ultrasound standing wave by adjusting the distance between the distal radiation surface and a surface of the wound, wherein the at least one ultrasound standing wave creates radiation pressure for providing a bactericidal and a therapeutic effect to the wound for decreasing the healing time for the wound.

10. (Original) The system of Claim 9, wherein the ultrasound transducer operates at a frequency of from about 10KHz to 10^3 MHz.

11. (Currently Amended) The system of Claim 9, wherein the distal end of the ultrasound transducer comprises a bushing, wherein the distance between the bushing and the surface of the wound is adjusted for creating the at least one ultrasound standing wave.

Claims 12-18. (Cancelled)

19. (Previously Presented) The system of Claim 9, wherein the transducer is driven by at least one of a pulsed and modulated frequency.

20. (Previously Presented) The system of Claim 9, wherein the driving wave form of the transducer is selected from the group consisting of sinusoidal, rectangular, trapezoidal and triangular wave forms.

21. (Previously Presented) The system of Claim 9, further comprising means for focusing the at least one ultrasound standing wave.

22. (Previously Presented) A method for treating a wound comprising the steps of:

providing a transducer having a distal radiation surface arranged a distance from the surface of the wound for emitting ultrasonic waves; and

creating ultrasound standing waves between the surface of the wound and the distal radiation surface by adjusting the distance, wherein the ultrasound standing waves create radiation pressure for providing a bactericidal and a therapeutic effect to the wound for decreasing the healing time for the wound.

23. (Previously Presented) The method of Claim 22, wherein the transducer operates at a frequency from 10 kHz to 10,000 MHz.

24. (Previously Presented) The method of Claim 22, wherein the distance is at least 0.1 inch.

25. (Previously Presented) The method of Claim 22, further comprising the steps of:

driving the transducer by pulsed or modulated frequency; and

selecting the driving wave form of the transducer from the group consisting of sinusoidal, rectangular, trapezoidal and triangular wave forms.

26. (Previously Presented) The method of Claim 22, wherein the therapeutic effect is selected from the group consisting of increasing blood flow to the wound, mechanically cleansing the wound, dissolving blood clots, diffusing grafts, stimulating cell growth, providing at least one medicament to the wound, and penetrating at least one medicament through the surface of the wound.

27. (Previously Presented) The method of Claim 22, further comprising the steps of:

applying a drug to the wound; and

penetrating the drug through the surface of the wound using the radiation pressure created by the ultrasound standing waves.

28. (Currently Amended) The method of Claim 22, further comprising the step of providing a bushing around the distal radiation surface for increasing the radiation

pressure created by the ultrasound standing waves, wherein the distance is between a distal end of the bushing and the surface of the wound.

29. (Previously Presented) The method of Claim 22, further comprising the step of focusing the ultrasound waves.

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